



CDF Operations Report

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All Experiments' Meeting
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Store Summary

Store	Start Date	Time [hrs]	Uptime [hrs]	Initial Lumi	Delivered Lumi	Live Lumi	Eff.	Comments
4320	8/7	28.2	17.1 [60%]	119.7	4.29	1.98	46%	Clock Problems Plug cal/Muon. trip
4322	8/9	28.0	23.1 [83%]	112.7	4.06	3.09	76%	Cal. crate problems, Event Builder problems
4324	8/10	19.8	20.8 [94%]	92.7	3.03	2.51	83%	Hot Trig. tower at start, Bad ISL ladder
4328	8/12	20.4	15.7 [76%]	105.1	3.52	2.92	83%	L1 cal. Trig. problems, EVB tests
4330	8/13	27.6	22.8 [83%]	103.5	4.01	3.00	75%	Calorimeters HV problems
4332	8/14	In progress		136.2			91%	Smooth running
Total	8/7~ 14	124.0	99.5 [80%]	106.7	18.9 pb ⁻¹	13.5 pb ⁻¹	72%	

CDF Operations [1]

- CDF Clock
 - Clock Glitches began Sat. day shift (8/6) and continued through Mon. day (8/8)
 - Silicon trips multiple times. Eventually out for much of period
 - Crate power supply swapped, Delay components replaced, and no errors seen since.
- DAQ/Run Control
 - Operated smoothly except a few problems with L2 Decision Timeouts
 - Event Builder and Silicon Vertex Tracker trigger tests ongoing
 - OS updates for online computers including fileserver.
- Silicon
 - Replaced one of two bad ISL CAEN power supplies on access Wednesday.
 - Recovered some bad ladders that had FIB problems
 - Si was not included for the first 2 hrs for the Store 4328 due to the prior AAK5 incident

CDF Operations [2]

- Calorimeter
 - L1 calorimeter trigger problems
 - Plug HV supply problem – many power cycles to recover
 - Hot trigger tower at start of store 4324 causes ~95% deadtime: masked off
 - Plug radioactive source calibration
 - Central calorimeter gamma supply died on Sat. day, and was replaced
- Muon
 - Some downtime due to several HV trips
 - Resegmented various sections to isolated trips
- Upgrade system works performed for
 - New hardware event builder
 - Silicon Vertex Track Trigger

CDF is taking data with ~91% efficiency for
the present store ☺

Access Summary

- Silicon
 - replaced one bad power supply
 - recover few problem ladders
 - one ISL ladder showed up bad after Wed. access
- Muon
 - Central Muon Extension: HV resegmentation on access
- Central Outer Tracker
 - Replaced 2 crates of TDCs with Run IIb upgrade TDCs. 11/20 done.
- Forward Detector
 - Mini-plug ADMEM board swap
- Calorimeter
 - Removed CPR (Central Pre-Radiator) cables laying on problem CHA (Central Hadron Calorimeter) PMT

Run II Integrated Luminosity

